## What Is Claimed Is:

- 1. A method of treating a patient having a chronic inflammatory disease, the method comprising administering to the patient a blocking agent to neutralize the capacity of Collagen XIII to bind to a  $\alpha 1\beta 1$  integrin.
- 2. The method of claim 1 wherein the chronic inflammatory disease is characterized by progressive pathogenesis resulting from infiltrating monocytes, lymphocytes, or both.

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- 3. The method of claim 1 wherein the chronic inflammatory disease is renal fibrosis, lung fibrosis, liver fibrosis, rheumatoid arthritis, psoriasis, experimental colitis, or crescentic glomerulonephritis.
- 15 4. The method of claim 1 wherein the blocking agent is a peptide.
  - 5. The method of claim 1 wherein the blocking agent is a neutralizing antibody.
- 20 6. The method of claim 1 wherein the blocking agent blocks the interaction of α1β1 integrin on peripheral blood monocytes and/or lymphocytes with Collagen XIII on vascular endothelium of chronically inflamed tissues.
- 7. A method for treating a subject having an inflammatory disease or other condition where integrin α1β1-positive interstitial monocyte and/or lymphocyte accumulation is observed, the method comprising administering to the subject an active agent that distrupts the interaction between Collagen XIII and α1β1 integrin.
- The method of claim 7 wherein the active agent blocks binding of Collagen XIII and α1β1 integrin.

- 9. The method of claim 8 wherein the blocking agent is a peptide.
- 10. The method of claim 8 wherein the blocking agent is an antibody.
- 5 11. The method of claim 7 wherein the inflammatory disease or other condition is renal fibrosis, lung fibrosis, liver fibrosis, rheumatoid arthritis, psoriasis, experimental colitis, or crescentic glomerulonephritis.
- The method of claim 7 wherein the active agent blocks the interaction of
   α1β1 integrin on peripheral blood monocytes and/or lymphocytes with
   Collagen XIII on vascular endothelium of chronically inflamed tissues.
  - 13. A method of reducing selective efflux of integrin  $\alpha 1\beta 1$ -positive monocytes into the interstitium of chronically inflamed tissues, the method comprising contacting the  $\alpha 1\beta 1$  integrin on peripheral blood monocytes and/or lymphocytes with an active agent that interferes with the interaction between Collagen XIII and  $\alpha 1\beta 1$  integrin.

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- 14. The method of claim 13 wherein reducing selective efflux of integrin α1β1-positive monocytes into the interstitium of chronically inflamed tissues comprises contacting the α1β1 integrin with a peptide having at least a portion of the amino acid sequence of Collagen XIII that binds specifically to α1β1 integrin.
- 25 15. The method of claim 13 wherein reducing selective efflux of integrin α1β1-positive monocytes into the interstitium of chronically inflamed tissues comprises contacting an antibody that binds to the Collagen XIII ligand on the cell surface of the vascular/capillary endothelial cells of inflamed tissues under conditions effective to block the binding site for Collagen XIII.

16. The method of claim 13 wherein reducing selective efflux of integrin  $\alpha 1\beta 1$ -positive monocytes into the interstitium of chronically inflamed tissues

under conditions effective to prevent the expression of Collagen XIII protein on the cell surface.

- 17. A method of reducing the rate of monocyte and/or lymphocyte efflux into
  5 the interstitial space of chronically inflamed tissues, the method comprising blocking Collagen XIII from binding with α1β1 integrin.
  - 18. The method of claim 17 wherein the blocking comprises blocking the Collagen XIII ligand.

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- 19. The method of claim 17 wherein the blocking comprises blocking  $\alpha 1\beta 1$  integrin.
- The method of claim 17 wherein blocking comprises contacting the
   integrin with a peptide fragment of Collagen XIII containing the binding site for α1β1 integrin.
  - 21. The method of claim 17 wherein blocking comprises contacting the Collagen XIII ligand with a mono-specific antibody.

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- 22. A method of reducing the rate of monocyte and/or lymphocyte efflux into the interstitial space of chronically inflamed tissues, the method comprising blocking Collagen XIII from binding with  $\alpha 1\beta 1$  integrin.
- 23. A method of blocking the interaction of α1β1 integrin on peripheral blood monocytes and/or lymphocytes with Collagen XIII on vascular endothelium of chronically inflamed tissues, the method comprising contacting the monocytes and/or lympocytes, the vascular endothelium, or both with an agent that either occupies the Collagen XIII binding site on α1β1 integrin or
- 30 blocks the α1β1 binding site on Collagen XIII.

- 24. The method of claim 23 wherein the agent that occupies the Collagen XIII binding site on  $\alpha 1\beta 1$  integrin is a peptide inhibitor.
- 25. The method of claim 23 wherein the agent that blocks the  $\alpha 1\beta 1$  binding site on Collagen XIII is a neutralizing monoclonal antibody.
- 26. A method of identifying an agent that inhibits the efflux of monocytes into the interstitial space of a model where interstitial monocytes or lymphocytes are implicated, the method comprising identifying an agent that
   distrupts the interaction between Collagen XIII and α1β1 integrin.
  - 27. The method of claim 26 wherein the agent inhibits binding of Alexa-conjugated purified  $\alpha 1\beta 1$  integrin to MCP-1 treated primary endothelial cells.
- 15 28. The method of claim 26 wherein the agent is an antibody that blocks the interaction of Alexa-conjugated purified α1β1 integrin to MCP-1-treated vascular endothelial cells in culture.
- 29. An isolated peptide having the sequence GAEGSPGL (SEQ ID NO. 1),
   20 wherein the peptide distrupts the interaction between Collagen XIII and α1β1 integrin.
  - 30. The isolated peptide of claim 29 having the sequence GEKGAEGSPGLL (SEQ ID NO:2).

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- 31. The isolated peptide of claim 29 having 8-16 amino acids.
- 32. The isolated peptide of claim 31 having 12-16 amino acids.
- 30 33. An isolated peptide consisting of GAEGSPGL (SEQ ID NO. 1).

- 34. An isolated peptide consisting of GEKGAEGSPGLL (SEQ ID NO:2).
- 35. An isolated peptide having an amino acid sequence that has at least 70% sequence identity to GAEGSPGL (SEQ ID NO. 1), wherein the peptide
- 5 distrupts the interaction between Collagen XIII and  $\alpha 1\beta 1$  integrin.
  - 36. An isolated peptide having an amino acid sequence that has at least 70% sequence identity to GEKGAEGSPGLL (SEQ ID NO:2), wherein the peptide distrupts the interaction between Collagen XIII and  $\alpha1\beta1$  integrin.

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- 37. An antibody to the peptide of claim 29.
- 38. An antibody to the peptide of claim 30.
- 15 39. An antibody to the peptide of claim 33.
  - 40. An antibody to the peptide of claim 34.
  - 41. An antibody to the peptide of claim 35.

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42. An antibody to the peptide of claim 36.